

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions of claims in the application.

1. (Currently Amended) A fuel management system for a working machine (1),
comprising:

a working machine (1);

a server (10); and

a user terminal (20),

wherein:

said working machine ~~includes~~ comprises:

tank contents amount measurement means (11B) which measures an amount of substance
a volume contained in a fuel tank (81) of said working machine (1);

operational value measurement means (11A) which measures a predetermined
operational value related to fuel consumption operation of said working machine (1); and

a communication controller (13) which transmits, to said server, machine information
including a volume value of said contents measured by said tank contents amount measurement
means (11B) and a measurement value measured by said operational value measurement means
(11A);

said server comprises:

a communication control unit (41) which receives said machine information from said
working machine;

~~a server includes:~~

remaining fuel ~~amount~~ volume calculation means (54) which calculates operating hours of said working machine ~~an expected remaining fuel amount, which is an amount of remaining fuel which ought to be present within said fuel tank (81), based on [[a]] the measurement value from measured by said operational value measurement means (11A)[[:]] included in said machine information, obtains a volume value of fuel which ought to have been consumed by said working machine (1) with reference to a fuel consumption table (92) based on said operating hours, subtracts said volume value of fuel which ought to have been consumed by said working machine (1) from a volume value stored in a previous time volume storage section (43), and calculates an expected remaining fuel volume value, which is an amount of remaining fuel which ought to be present within said fuel tank (81);~~

volume ~~amount~~ comparison means (55) which compares said ~~amount~~ volume value of contents which has been measured by the tank contents amount measurement means (11B) included in said machine information, with said expected remaining fuel ~~amount~~ volume value which has been calculated by said remaining fuel amount calculation means (54); and

alarm issue means (58) which issues an alarm in response to said ~~amount~~ volume comparison means (55),

when said communication control unit (41) transmits said alarm to said user terminal (20), said user terminal (20) displays contents of said alarm on a display screen.

2. (Previously Presented) The fuel management system according to Claim 1, further comprising refueling amount determination means (53, 59) included in the server which, when refueling of said fuel tank (81) is actually executed or when scheduled to be executed, obtains an actual or scheduled refueling amount, wherein,

said remaining fuel amount calculation means (54) calculates said expected remaining fuel amount, based on the measurement value from said operational value measurement means (11A), and said refueling amount which has been obtained by said refueling amount determination means (53, 59).

3. (Cancelled)

4. (Original) The fuel management system according to Claim 1 or Claim 2, wherein said operational value measurement means calculates or measures a fuel injection amount of an engine of said working machine (1), and

said remaining fuel amount calculation means (54) calculates a fuel consumption amount of said working machine (1) from said fuel injection amount which has been calculated or measured by said operational value measurement means (11A), and calculates said expected remaining fuel amount from said fuel consumption amount which has thus been calculated.

5. (Cancelled).

6. (Currently Amended) The fuel management system according to ~~Claim 5~~Claim 1, further comprising:

said working machine further comprises:

tank contents weight measurement means (11C) ~~included in the working machine~~ which measures weight of the contents in said fuel tank (81);

said server further comprises:

remaining fuel weight calculation means (56) ~~included in the server~~ for calculating an expected remaining fuel weight, which is weight of the remaining fuel which ought to be present within said fuel tank (81), based on the volume of said contents which has been measured by said tank contents amount measurement means (11B), and on a specific gravity of said fuel; and

weight comparison means (57) included in the server which compares the weight of said contents which has been measured by said tank contents weight measurement means (11C), with said expected remaining fuel weight which has been calculated by said remaining fuel weight calculation means (56), wherein

said alarm issue means (58) in response to said volume comparison means (55) and also issues an alarm in response to said weight comparison means (57) issues an alarm when at least any one of the volume measurement value and the weight measurement value does not agree with the expected value obtained by the calculation, whereby a user can detect that foreign matter has been mixed in said fuel tank (81).

7. (Cancelled).

8. (Cancelled).

9. (Original) The fuel management system according to Claim 1, wherein, immediately after said working machine (1) starts and immediately after said working machine (1) stops, said tank contents amount measurement means (11B) measures the amount of said contents while said operational value measurement means (11A) measures said operational value.

10. (Cancelled).